

**Roberts on Minnesota Birds.**—Dr. Roberts has contributed a valuable paper<sup>1</sup> to the Report of the State Game and Fish Commission, on 'The Water Birds of Minnesota, Past and Present.' It is replete with reminiscences of the water-bird life of earlier years gathered from Dr. Roberts' personal experiences, which date back to 1875, and those of others. The style of treatment of the several families varies somewhat, the Grebes, Ducks, Gulls, etc., being considered in groups, while in the case of the shore-birds each species is discussed separately. The status of the rarer species is carefully considered and much important detailed information is made available to the ornithologist, while the main object of the paper—to present information of interest and value to the general public and the sportsman in particular—is not lost sight of.

Another recent publication<sup>2</sup> of Dr. Roberts is entitled 'A Review of the Ornithology of Minnesota' and is intended as an aid to students in the University of Minnesota and to others interested in the study of the birds of the State. There is an annotated list of species occurring regularly in Minnesota, another of the rare or accidental species, as well as of the introduced, unsettled, and extirpated species, a discussion on vanishing birds, and a hypothetical list of birds recorded from Minnesota, but of which no local specimens have been preserved. Other chapters treat of bird laws, wild life refuges, and an abridged bibliography of Minnesota ornithology. The pamphlet is full of excellent half-tone illustrations from photographs by the author, whose ability as a bird photographer is well known.

A faunal map of the State is also included, in which we find it divided into Canadian, Alleghanian, "Pseudo-Campestrian," and "Pseudo-Carolinian." While we realize the difficulty of drawing satisfactory faunal boundaries where several zones converge, we fail to see the advantage of coining new names. It would seem better to adhere to the nomenclature of the Biological Survey or other recognized authority and to explain in annotations that the zones as they occur in the region under discussion are dilute, not typical, etc. Dr. Roberts is, however, by no means alone in the practise that he has adopted.—W. S.

**Second Ten Year Index to the Condor.**<sup>3</sup>—The Cooper Ornithological Club has published as Pacific Coast Avifauna, No. 13, a second ten-year index to 'The Condor,' covering the years 1909-1918, by J. R. Pemberton.

<sup>1</sup> Water Birds of Minnesota, Past and Present. By Thomas S. Roberts, M. D., Curator Zoological Museum, University of Minnesota. Extracted from the Biennial Report of the State Game and Fish Commission of Minnesota, for the Biennial Period Ending July 31, 1918. pp. 56-91.

<sup>2</sup> A Review of the Ornithology of Minnesota. By Thomas Sadler Roberts, M. D. Professor of Ornithology and Curator of the Zoological Museum in the University of Minnesota. Research Publications of the University of Minnesota. Vol. VIII, No. 2. May, 1919. pp. 1-100. Addendum and Introduction. Price 25 cents.

<sup>3</sup> Second Ten Year Index to the Condor. Volumes XI-XX, 1909-1918. By J. R. Pemberton. Pacific Coast Avifauna, Number 13. Hollywood, California. August 15, 1919. pp. 1-92. Cooper Ornithological Club.